

# Well Construction Details

Top of PVC Casing  
Elev. **484.55 ft.**

GROUND SURFACE

2" DIA. BOREHOLE: to 18 ft.

BENTONITE-CEMENT SEAL: 0 to 6 ft.  
3/4" DIA. SCHED. 40 PVC CASING: +2 to 8 ft.

PRE-FABRICATED BENTONITE SEAL: 6 to 8 ft.

PRE-FABRICATED FILTER PACK: 8 to 18 ft.

PRE-FABRICATED 3/4" DIA. SLOTTED CASING: 8 to 18 ft.

BOTTOM WELL CAP: 18 ft.  
Well casing installed to 18 ft. BGS

Recovery (inches)  
PID Reading (ppm)

48	12
29	
36	1,000
10	
48	7
	3,000
48	
	225
24	300
	300

Date 7/20/06

Driller Rhino Rig

Drilling Method Direct Push

Sampler Clear Liners

Hammer Weight NA Drop NA

Logged by Datum

Surface Elevation 482.10 Hole Dia. 2 in.

Northing 505689.282 Easting 1237400.885

Depth (ft.)  
Sample

0	Very Dark Gray Gravelly Lean Clay with Sand (CL) (2.5Y 3/1) Very stiff, dry, 55% clay, 30% fine angular gravel, 20% fine to coarse sand (fill)
5	Very Dark Gray Sandy Lean Clay with Gravel (CL) (2.5Y 3/1) Very stiff, dry, 60% clay, 25% fine to coarse sand, 15% gravel (fill)
10	
15	Dark Grayish Brown Gravelly Lean Clay with Sand (CL) (2.5Y 4/2) Very Stiff, Dry, 55% clay, 25% angular gravel 20% fine to coarse sand (fill)
	Very Dark Gray Sandy Lean Clay (CL) (2.5Y 3/1) Medium stiff, dry to moist, 70% clay, 20% fine to coarse sand, 10% angular gravel (fill)
	Grayish Brown Weathered Mudstone, moderately hard, weak to friable, deeply weathered, dry, iron oxidation streaks along fractures
	Refusal at 18 feet.

BORING\_WELL2\_CASMALIA\_RIFS.GPJ GEOL.GDT 12/13/10

## Well Construction Details and Log of Boring RIPZ-31

Final Remedial Investigation Report  
Casmalia Resources Superfund Site  
Casmalia, California

PLATE

# E9-40

DRAWN

JOB NUMBER

CHECKED

CHCK'D DATE

APPROVED

APPR'V'D DATE

WJF

4088097619

WJF

1/11

WBC

1/11